

0570  
0806



BEST AVAILABLE COPY

ENTERED OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/091,912

DATE: 08/09/2002

TIME: 12:55:05

Input Set : A:\GC724-seqlist.txt

Output Set: N:\CRF3\08092002\J091912.raw

```

4 <110> APPLICANT: Bott, Richard R.
5     Kellis, James T.
6     Morrison, Thomas B.
8 <120> TITLE OF INVENTION: High Throughput Mutagenesis Screening
9     Method
11 <130> FILE REFERENCE: GC724
13 <140> CURRENT APPLICATION NUMBER: US 10/091,912
14 <141> CURRENT FILING DATE: 2002-03-05
16 <160> NUMBER OF SEQ ID NOS: 2
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 818
22 <212> TYPE: DNA
23 <213> ORGANISM: Pseudomonas mendocina
25 <400> SEQUENCE: 1
26 tggcggcctc ttgcctgtcc gtctgtgcc a ctgtcgcggc ggctcccctg ccggatacac      60
27 cgggagcgcc atttcggct gtgcgaatt tgcaccgag tggcccctac accaccagca      120
28 gccagagcga ggggcccagc tgtcgcatct atcgcccccg cgacctgggt caggggggcg      180
29 tgcgtcatcc ggtgattctc tggggcaatg gcaccgggtgc cgggcccgtcc acctatgccg      240
30 gcttgcatac gcaactgggca agccacggtt tcgtgggtggc ggcggcgga aacctccaatg      300
31 ccggtaccgg gcgggaaatg ctgcctgcc tggactatct ggtacgtgag aacgacaccc      360
32 cctacggcac ctattccggc aagctcaata ccgggcgagt cggcacttct gggcattccc      420
33 aggggtggtg cggctcgatc atggccgggc aggatacgag ggtgcgtacc acggcgccga      480
34 tccagcccta caccctcggc ctggggcacg acagcgccctc gcagcggcgg cagcaggggc      540
35 cgatgttcct gatgtccggt ggcggtgaca ccacgcctt tccctacctc aacgctcagc      600
36 cgggtctacc gcggtccaat gtgccggtgt tctggggcga acggcggttac gtcagccact      660
37 tcgagccggt cggtagcggg ggggcctatc gcggcccgag cagggcatgg ttccgcttcc      720
38 agctgatgga tgaccaagac gccgcgcta ccttctacgg cgcgcagtgc agtctgtgca      780
39 ccagcctgct gtggtcggtc gagcgccgcg ggctttaa      818
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 272
43 <212> TYPE: PRT
44 <213> ORGANISM: Pseudomonas mendocina
46 <400> SEQUENCE: 2
47 Met Ala Ala Ser Cys Leu Ser Val Cys Ala Thr Val Ala Ala Ala Pro
48 1      5      10      15
49 Leu Pro Asp Thr Pro Gly Ala Pro Phe Pro Ala Val Ala Asn Phe Asp
50      20      25      30
51 Arg Ser Gly Pro Tyr Thr Thr Ser Ser Gln Ser Glu Gly Pro Ser Cys
52      35      40      45
53 Arg Ile Tyr Arg Pro Arg Asp Leu Gly Gln Gly Gly Val Arg His Pro
54      50      55      60
55 Val Ile Leu Trp Gly Asn Gly Thr Gly Ala Gly Pro Ser Thr Tyr Ala

```

## RAW SEQUENCE LISTING

DATE: 08/09/2002

PATENT APPLICATION: US/10/091,912

TIME: 12:55:05

Input Set : A:\GC724-seqlist.txt

Output Set: N:\CRF3\08092002\J091912.raw

56	65					70						75					80
57	Gly	Leu	Leu	Ser	His	Trp	Ala	Ser	His	Gly	Phe	Val	Val	Ala	Ala	Ala	Ala
58					85					90						95	
59	Glu	Thr	Ser	Asn	Ala	Gly	Thr	Gly	Arg	Glu	Met	Leu	Ala	Cys	Leu	Asp	
60				100					105					110			
61	Tyr	Leu	Val	Arg	Glu	Asn	Asp	Thr	Pro	Tyr	Gly	Thr	Tyr	Ser	Gly	Lys	
62			115					120					125				
63	Leu	Asn	Thr	Gly	Arg	Val	Gly	Thr	Ser	Gly	His	Ser	Gln	Gly	Gly	Gly	
64		130					135					140					
65	Gly	Ser	Ile	Met	Ala	Gly	Gln	Asp	Thr	Arg	Val	Arg	Thr	Thr	Ala	Pro	
66	145					150				155						160	
67	Ile	Gln	Pro	Tyr	Thr	Leu	Gly	Leu	Gly	His	Asp	Ser	Ala	Ser	Gln	Arg	
68				165					170						175		
69	Arg	Gln	Gln	Gly	Pro	Met	Phe	Leu	Met	Ser	Gly	Gly	Gly	Asp	Thr	Ile	
70				180					185					190			
71	Ala	Phe	Pro	Tyr	Leu	Asn	Ala	Gln	Pro	Val	Tyr	Arg	Arg	Ala	Asn	Val	
72			195					200					205				
73	Pro	Val	Phe	Trp	Gly	Glu	Arg	Arg	Tyr	Val	Ser	His	Phe	Glu	Pro	Val	
74		210					215					220					
75	Gly	Ser	Gly	Gly	Ala	Tyr	Arg	Gly	Pro	Ser	Thr	Ala	Trp	Phe	Arg	Phe	
76	225					230					235				240		
77	Gln	Leu	Met	Asp	Asp	Gln	Asp	Ala	Arg	Ala	Thr	Phe	Tyr	Gly	Ala	Gln	
78				245					250					255			
79	Cys	Ser	Leu	Cys	Thr	Ser	Leu	Leu	Trp	Ser	Val	Glu	Arg	Arg	Gly	Leu	
80				260					265					270			

BEST AVAILABLE COPY

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/091,912

DATE: 08/09/2002

TIME: 12:55:06

Input Set : A:\GC724-seqlist.txt

Output Set: N:\CRF3\08092002\J091912.raw

**BEST AVAILABLE COPY**